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DOCKET NO. 2004.01.014.WS0
U.S. SERIAL NO. 10/763,483
PATENTIN THE CLAIMS

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1. (Currently Amended) For use in a wireless network, a base station capable of controlling the use of the reduced slot cycle mode by a selected one of a plurality of mobile stations communicating with said base station, said base station comprising:

a message controller capable of transmitting a Page message to a first mobile station notifying said first mobile station that a data session between said base station and said first mobile station is being activated; and

a reduced slot cycle controller coupled to said message controller and capable of receiving a Page Response message from said first mobile station, in response to said Page message, said Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by said first mobile station,

wherein said reduced slot cycle controller, in response to receipt of said Page Response message, causes said message controller to transmit to said first mobile station a first Release Order message comprising a modified data field containing a selected reduced slot cycle index (SCI) value at which said first mobile station will operate, and

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wherein, after said data session is complete, said reduced slot cycle controller is further capable of transmitting a second Release Order message comprising a normal SCI value at which said first mobile station will operate.

2. (Previously Presented) The base station as set forth in Claim 1 wherein a slot cycle duration corresponding to said selected reduced SCI value transmitted by said base station is different than a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

3. (Previously Presented) The base station as set forth in Claim 2 wherein said slot cycle duration corresponding to said selected reduced SCI value transmitted by said base station is at least as great as a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

4. (Currently Amended) The base station as set forth in Claim 1 wherein said Page Response message further comprises a requested time period during which said first mobile station will operate using said reduced slot cycle index (SCI) value requested by said first mobile station, and wherein said first Release Order message further comprises a selected time period during which said first mobile station will operate using said selected reduced SCI value.

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5. (Original) The base station as set forth in Claim 4 wherein said selected time period transmitted by said base station is different than said requested time period requested by said first mobile station.

6. (Original) The base station as set forth in Claim 5 wherein said selected time period transmitted by said base station is at least as great as said requested time period requested by said first mobile station.

7. (Currently Amended) A wireless network comprising a plurality of base stations, each of said base stations capable of controlling the use of the reduced slot cycle mode by a selected one of a plurality of mobile stations communicating with said wireless network, said each base station comprising:

a message controller capable of transmitting a Page message to a first mobile station notifying said first mobile station that a data session between said each base station and said first mobile station is being activated; and

a reduced slot cycle controller coupled to said message controller and capable of receiving from said first mobile station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by said first mobile station,

wherein said reduced slot cycle controller, in response to receipt of said Page Response message, causes said message controller to transmit to said first mobile station a first Release Order

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message comprising a modified data field containing a selected reduced slot cycle index (SCI) value at which said first mobile station will operate

wherein, after said data session is complete, said reduced slot cycle controller is further capable of transmitting a second Release Order message comprising a normal SCI value at which said first mobile station will operate.

8. (Previously Presented) The wireless network as set forth in Claim 7 wherein a slot cycle duration corresponding to said selected reduced SCI value transmitted by said each base station is different than a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

9. (Previously Presented) The wireless network as set forth in Claim 8 wherein said slot cycle duration corresponding to said selected reduced SCI value transmitted by said each base station is at least as great as a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

10. (Currently Amended) The wireless network as set forth in Claim 7 wherein said Page Response message further comprises a requested time period during which said first mobile station will operate using said reduced slot cycle index (SCI) value requested by said first mobile station,

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and wherein said first Release Order message further comprises a selected time period during which said first mobile station will operate using said selected reduced SCI value.

11. (Original) The wireless network as set forth in Claim 10 wherein said selected time period transmitted by said each base station is different than said requested time period requested by said first mobile station.

12. (Original) The wireless network as set forth in Claim 11 wherein said selected time period transmitted by said each base station is at least as great as said requested time period requested by said first mobile station.

13. (Currently Amended) For use in a base station of a wireless network, a method of controlling the use of the reduced slot cycle mode by a selected one of a plurality of mobile stations communicating with the base station, the method comprising the steps of:

transmitting a Page message to a first mobile station notifying the first mobile station that a data session between the base station and the first mobile station is being activated;

receiving from the first mobile station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by the first mobile station; and

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in response to receipt of the Page Response message, transmitting to the first mobile station a first Release Order message comprising a modified data field containing a selected reduced slot cycle index (SCI) value at which the first mobile station will operate; and
after the data session is complete, transmitting a second Release Order message comprising a normal SCI value at which the first mobile station will operate.

14. (Previously Presented) The method as set forth in Claim 13 wherein a slot cycle duration corresponding to the selected reduced SCI value transmitted by the base station is different than a slot cycle duration corresponding to the minimum reduced slot cycle index (SCI) value requested by the first mobile station.

15. (Previously Presented) The method as set forth in Claim 14 wherein the slot cycle duration corresponding to the selected reduced SCI value transmitted by the base station is at least as great as a slot cycle duration corresponding to the minimum reduced slot cycle index (SCI) value requested by the first mobile station.

16. (Currently Amended) The method as set forth in Claim 13 wherein the Page Response message further comprises a requested time period during which the first mobile station will operate using the reduced slot cycle index (SCI) value requested by the first mobile station, and wherein the

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first Release Order message further comprises a selected time period during which the first mobile station will operate using the selected reduced SCI value.

17. (Original) The method as set forth in Claim 16 wherein the selected time period transmitted by the base station is different than the requested time period requested by the first mobile station.

18. (Original) The method as set forth in Claim 17 wherein the selected time period transmitted by the base station is at least as great as the requested time period requested by the first mobile station.

19. (Currently Amended) For use in a wireless network comprising a plurality of base stations, a mobile station that can selectively use the reduced slot cycle mode under the control of a first of the plurality of base stations, said mobile station comprising:

a message controller capable of receiving a Page message from a first mobile station notifying said mobile station that a data session between said first base station and said mobile station is being activated; and

a reduced slot cycle controller coupled to said message controller and capable of causing said message controller to transmit to said first base station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by said mobile station,

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wherein said reduced slot cycle controller is further capable of receiving from said first base station a first Release Order message comprising a modified data field containing a selected reduced slot cycle index (SCI) value at which said mobile station will operate, and

wherein, after said data session is complete, said reduced slot cycle controller is further capable of transmitting a second Release Order message comprising a normal SCI value at which said first mobile station will operate.

20. (Previously Presented) The mobile station as set forth in Claim 19 wherein a slot cycle duration corresponding to said selected reduced SCI value transmitted by said first base station is different than a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said mobile station.

21. (Previously Presented) The mobile station as set forth in Claim 20 wherein said slot cycle duration corresponding to said selected reduced SCI value transmitted by said first base station is at least as great as a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said mobile station.

22. (Currently Amended) The mobile station as set forth in Claim 19 wherein said Page Response message further comprises a requested time period during which said mobile station will operate using said reduced slot cycle index (SCI) value requested by said mobile station, and wherein

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said first Release Order message further comprises a selected time period during which said mobile station will operate using said selected reduced SCI value.

23. (Original) The mobile station as set forth in Claim 22 wherein said selected time period transmitted by said first base station is different than said requested time period requested by said mobile station.

24. (Original) The mobile station as set forth in Claim 23 wherein said selected time period transmitted by said first base station is at least as great as said requested time period requested by said mobile station.

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